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**NONAQUEOUS ELECTROLYTE SECONDARY BATTERY (11-121032****Publication Number:** JP 11121032 A) , April 30, 1999**Inventors:**

- MORI SHOICHIRO
- SATO TOMOHIRO
- KOTADO MINORU
- MARK DESCHAMP

**Applicants**

- MITSUBISHI CHEMICAL CORP

**Application Number:** 09-278627 (JP 97278627) , October 13, 1997**International Class:**

- H01M-010/40
- H01M-002/02
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- H01M-004/66

**Abstract:**

**PROBLEM TO BE SOLVED:** To provide a nonaqueous electrolyte secondary battery excellent in low temperature characteristics, long period stability, and recycle characteristics, and having high energy density. **SOLUTION:** This secondary battery is provided with a negative electrode containing graphite as at least one constituting component thereof as negative electrode material capable of storing and discharging lithium, a positive electrode, a negative electrode collector, a positive electrode collector, nonaqueous electrolyte comprising solute and an organic solvent, and a separator. The mixed solvent containing ethylene sulfite and vinylene carbonate is used as the organic solvent. The material of the contact portions of the positive electrode collector and a positive electrode side outer can with the nonaqueous electrolyte is valve metal or its alloy. **COPYRIGHT:** (C)1999,JPO

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